REMARKS

No Claims have been amended.

Claims 1-22 have been cancelled without prejudice.

Claims 23-27 are currently pending in this application.

Claims 23 and 24 are in independent format.

1.   *Comments*

New Claims 23 claims an embodiment of Applicants' invention wherein the calculated offset angle obtained from the first measurement and the second measurement is representative of an angle variation between a wheel-mounted sensor angle measurement and a vehicle wheel hub assembly-mounted sensor angle measurement. This calculated offset angle is subtracted from at least one predetermined specification value for the alignment angle to offset the specification value, permitting one or more subsequent vehicle wheel hub assembly-mounted sensor angle measurements of the alignment angle to be compared with the offset specification value to determine the necessary alignment angle adjustment.

New Claims 24-27 set forth a method for measuring at least one vehicle wheel alignment angle from a vehicle wheel hub assembly utilizing equations which are mathematically equivalent to Equations (1), (2), and (3) for obtaining the necessary alignment angle adjustment, as set forth in Paragraphs 0077 through 0079 of the Specification.[1] No new matter is believed added by these amendments.

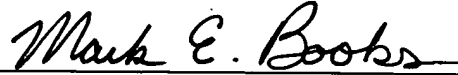[1] Paragraph numbering is set forth in U.S. Published Application No. 2002/0189114 A1.

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This mathematical equivalency between Equations (1), (2), and (3) once wheel alignment adjustment has begun and the methods of new Claims 24-27 is illustrated in the following table with correspond paragraph references to the published application.

Spec.	Equations (1), (2), (3)	New Claims 24-27
¶ 0073	Acquire Measurement A (Wheel On Measurement)	Acquire Measurement A (Wheel On Measurement)
¶ 0077	Acquire Measurement B1 (1st Wheel Off Measurement)	Acquire Measurement B1 (1st Wheel Off Measurement)
¶ 0078	Acquire Subsequent Measurement B2 (2nd Wheel Off Measurement)	Acquire Subsequent Measurement B2 (2nd Wheel Off Measurement)
¶ 0077	**Calculate Equation (1)** $A - B1 = Delta1$	**Calculate:** $B2 - B1 = Delta2$
¶ 0078	**Calculate Equation (2)** $B2 + Delta1 = C$ ***Note: B2 is utilized here instead of B1 to illustrate use of this method with subsequent wheel off measurements.***	**Calculate:** $A + Delta2 = C$
¶ 0078	**Calculate Equation (3)** $C - Spec. = Necessary\ Alignment$ $Angle\ Adjustment$	**Calculate:** $C - Spec. = Necessary\ Alignment$ $Angle\ Adjustment$
¶ 0079	**Substituting Values:** $B2 + Delta1 - Spec. = Adjustment$ $B2 + (A - B1) - Spec. = Adjustment$ **Rearranging Terms:** $A + B2 - B1 - Spec. = Adjustment$	**Substituting Values:** $A + Delta2 - Spec. = Adjustment$ $A + (B2 - B1) - Spec. = Adjustment$ **Rearranging Terms:** $A + B2 - B1 - Spec. = Adjustment$

Based on the foregoing, the allowance of Claims 23-27 is requested.

If for any reason the Examiner is unable to allow the application on the next Office Action and feels that an interview would be helpful to resolve any remaining issues, the Examiner is respectfully requested to contact the undersigned attorney for the purpose of arranging such an interview.

Respectfully submitted,

Mark E. Books

Mark E. Books, Reg. No. 40,918
Polster, Lieder, Woodruff & Lucchesi, L.C.
763 South New Ballas Road, Suite 230
St. Louis, Missouri 63141
Tel: (314) 872-8118
Fax: (314) 991-2178
mbooks@patpro.com

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